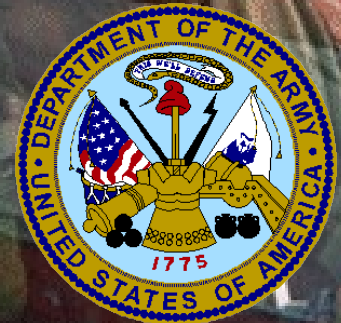


U.S. Army Materiel Systems Analysis Activity

• **Mr. John Thomas**
410-278-6997
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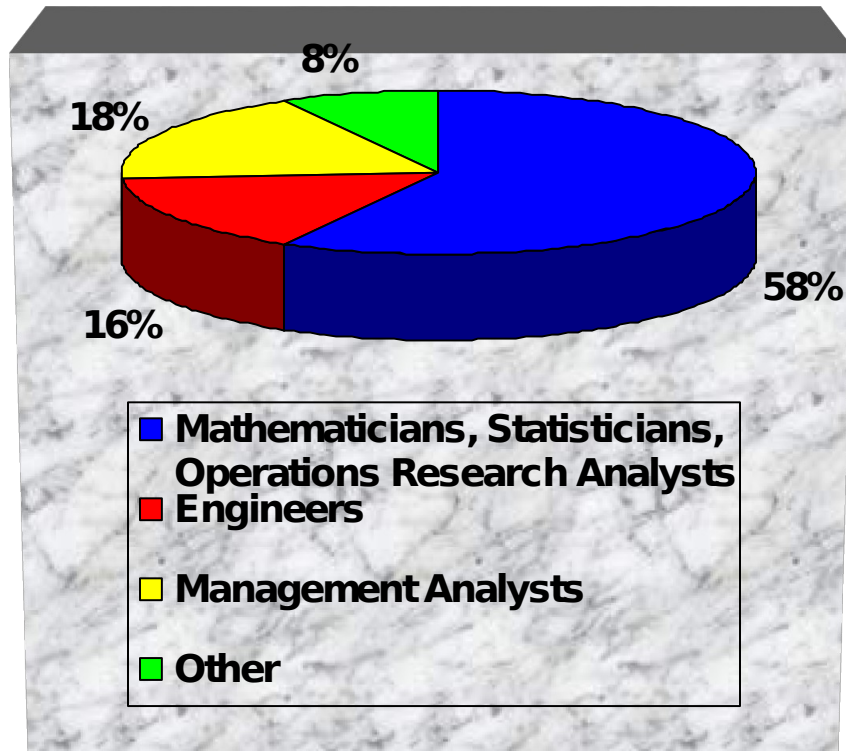
WWW.AMSAA.ARMY.MIL



AMSAA's Distribution of Skills

Skills of Technical Personnel

- Employees and applicants possess various undergraduate and graduate degrees.



Minimum Requirement: At least 24 semester hours in combination of Operations Research, Mathematics, Probability, Statistics, Math Logic, or Science. At least 3 of the 24 must be in Calculus.

AMSAA's Mission & Core Analytical

Mission Statement: The U.S. Army Materiel Systems Analysis Activity supports the Army decision-making process by providing materiel, logistics and industrial systems analyses, as well as business process, manpower and resource analyses.

- Core Analytical Functions -



**Striving
for the
proper
balance**

Material Systems Analysis

- Test/Data Performance Analysis
- Modeling and Simulation (M&S)
- Cost Analysis
- *Which concept is viable?*
- *What are the best options?*

Logistics Systems Analysis

- Force Projection and Sustainment
- M&S development
- *How can we optimize?*
- *How can we minimize cost?*

**Provide
decision
makers with
analysis to
make Army
acquisition
program
decisions**

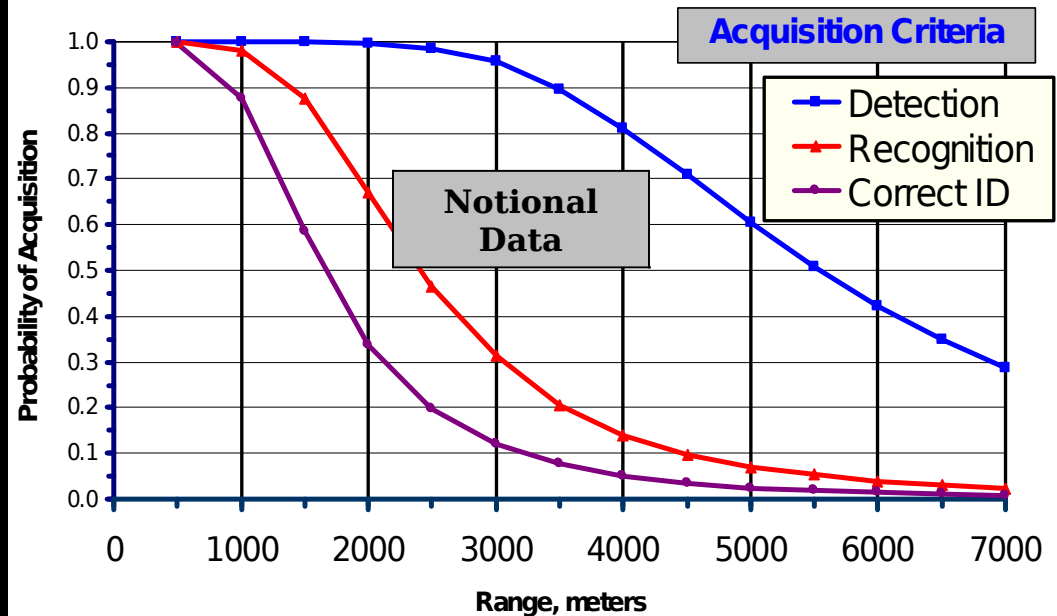
Search & Target Acquisition

**Methodology
Improvement**

**Modeling
and
Simulation**



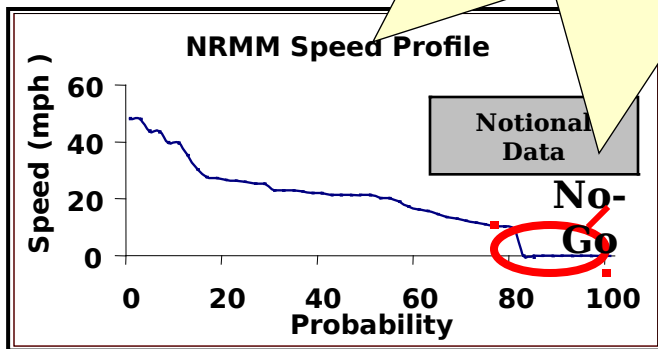
ACQUIRE Model Estimates



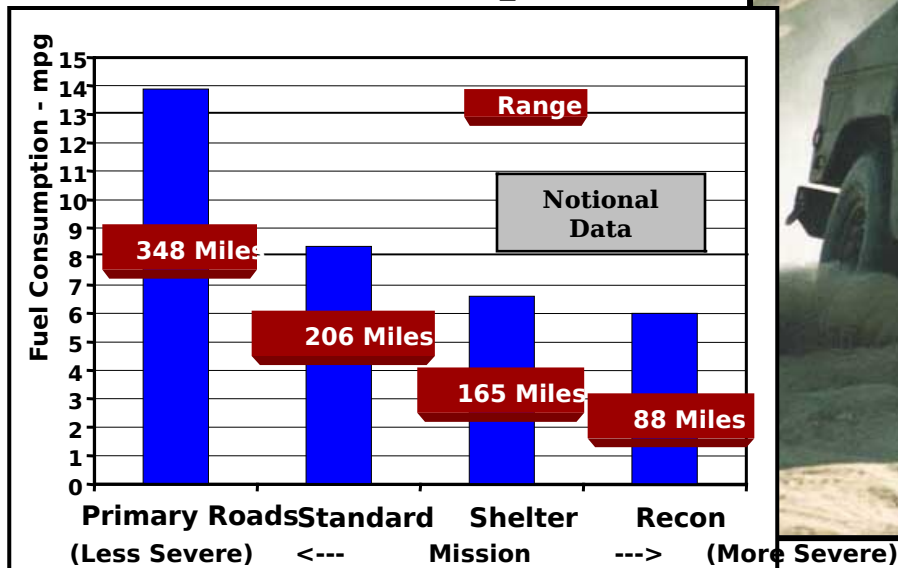
Mobility and Transportability

Item Level Modeling To Analyze Performance and Requirements

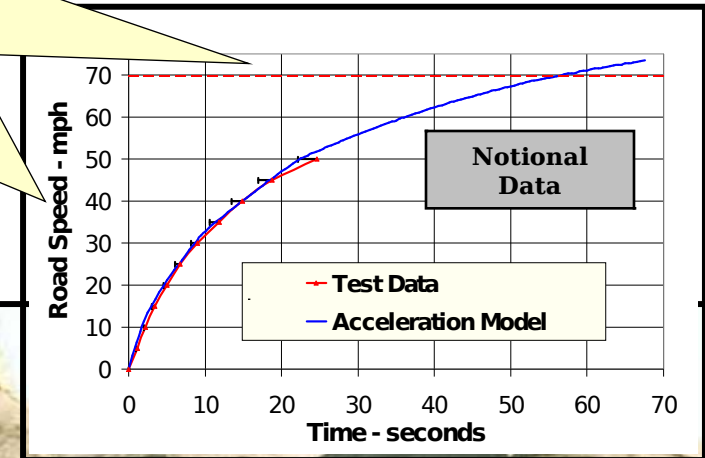
Terrain Traffic



Fuel Consumption

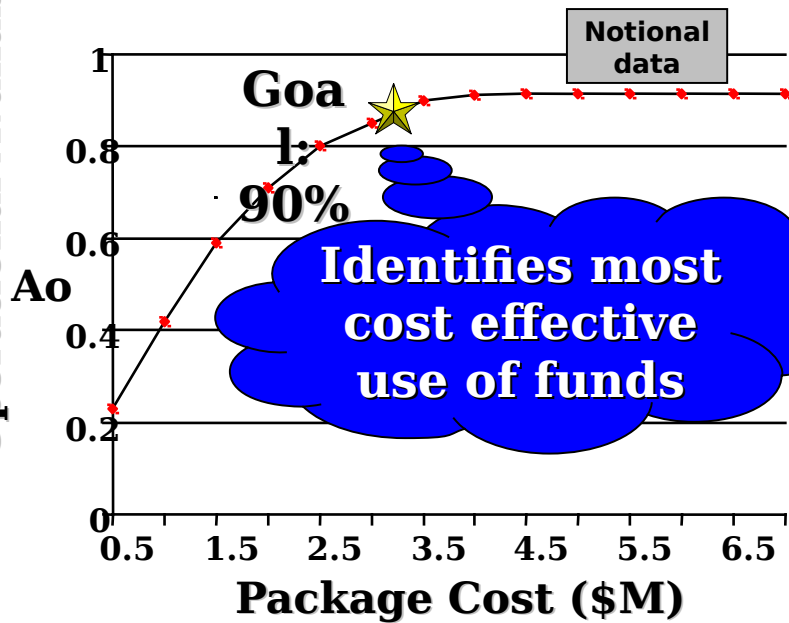


Acceleration



Readiness-Based Sparing

Operational Availability



**Reduces Cost and
Increases
Performance**



Past System Involvement



HMMWV



**M2A2
(Bradley)**



M1A1 (Abrams)



Apache



Comanche



FMTV

Salary and Benefits

Notional

- **Salary**

- Start around \$32,500
- 6-12 months later: \$40,000
- 12 months later: \$50,000
- 12-18 months later: \$61,000

- **Journeyman analyst to \$61K**

- **Annual Leave**

- 0 - 3 years - 13 days per year
- 3-15 years - 20 days per year
- 15 + years - 26 days per year

- **Sick Leave**

- 13 days per year
- Includes caring for family members

- **10 federal holidays per**

- **Work Schedule**

- 80 hours every 2 weeks
- 3 day weekends every other week (every other Friday off)

- **Other flex time options**

- **Retirement**

- Includes pension, Social Security and TSO
- Agency automatically contributes 1% of basic pay
- First 3% employee contributes, agency matches
- Next 2%, agency matches

Ag

**Must Be
U.S.
Citizen**

Tuition Assistance and Continued Formal Training

- **Student Career Experience Program (for undergrads)**

- Work-study program with full-time work on the summer and winter breaks
- Some tuition paid for select courses
- Full-time employment upon graduation

- **Graduate Programs**

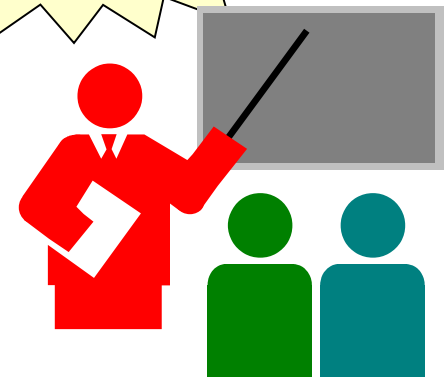
- Full tuition and book costs
- All employees expected to earn advanced degree
- Satellite programs available on APG
 - Central Michigan University
 - Florida Institute of Technology and others

- **Other Training**

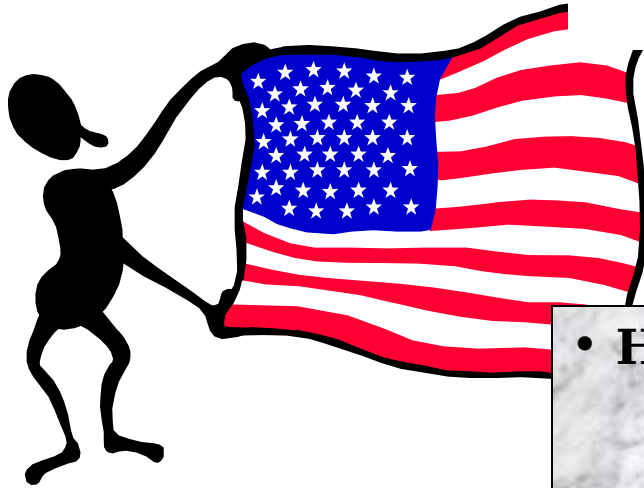
- Army Training
- Greening Programs
- Army Management Staff College
- Senior Service Colleges
- Developmental assignments and more



**Immediate,
Continuous Focus
on Career
Development**



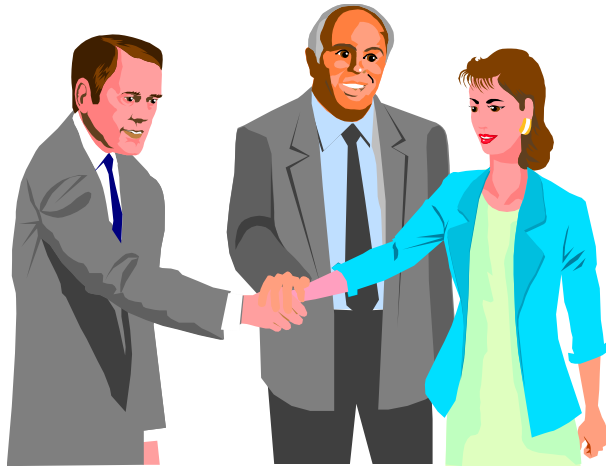
Other Benefits



- **Health Insurance**
 - Variety of fee-for-service (e.g. Blue Cross/Blue Shield) and HMO plans
 - Agency pays 72% of average premium
 - Self and family plans available
 - Annual “open season” to change plans
- **Life Insurance**
 - Discounted for you, your spouse and your children
- **Travel**
- **Services**
 - Free on-site exercise facility
 - Rent outdoor sporting goods

Opportunities for Community Involvement

***More Than Just
a Place to Work***



**Local
Students, Community
and AMSAA All
Benefit**

- ✓ ***Edgewood HS mentoring***
- ✓ ***Bring your child to work day***
- ✓ ***Christmas families***
- ✓ ***Black History programs***
- ✓ ***Federal Women's Program***
- ✓ ***Engineer for a day***
- ✓ ***Local science fairs***
- ✓ ***Earth Day***
- ✓ ***Women In Science & Engineering***
- ✓ ***APG installation recycling***
- ✓ ***APG Cultural Awareness Programs***
- ✓ ***APG energy conservation***



Aberdeen Proving Ground

The Army's oldest active proving ground was established on October 20, 1917, six months after the United States entered World War I, to provide the military a facility where design and testing of ordnance materiel could be carried out in close proximity to the nation's industrial and shipping centers. The post officially opened on December 14, 1917, and the first gun was fired on January 2, 1918. Aberdeen Proving Ground occupies more than 72,500 acres in Harford County, Md



Aberdeen Proving Ground is...

40 minutes from Newark, DE

35 minutes from Baltimore

50 minutes from Wilmington

1.5 hours from Washington, D.C. and Philadelphia

3 hours from New York City